Operations Summary

- **Starting back up out of the shutdown period**

Store	Start	Duration (hr)	Init. Lum (E30)	Del. (nb^{-1})	Live (nb^{-1})	Eff (%)	Comments
2194	02/10	.7	e27(4.5)	-	-	-	Clock sync problem, Quench – Abort Kicker
2208	02/11	3	17.3	167.5	69.6	42	Min_bias trigger for clc calib. Tested rol trigger table, Quench – QPM card
	02/12		**Controlled Access**				
2213	02/13	>7	20	437	383	87	Running pre-shutdown TT, started slow, but stable

Stores on Mon & Tues

Store 2194

- **Reported Lumi e27 due to TeVatron beam sync delay that was off by 1.9us.**
  - mistakenly reset by MCR to 0 sometime during Sup. Access.
  - This delay will be checked as part of the shot setup checklist.
- **Ended with a quench- *possibly* due to an abort kicker prefire.**

Store 2208

- **Lumi = 17.3 e30**
- **MINIMUM_BIAS_1[9,251,318]**
  - for CLC calibration.
- **PHYSICS_1_03[2,214,329]**
  - Read Out Lists tested
- **Data taking hiccups…**
  - Persistent L2 DTOs held off initial running. Iso Clique problem.
  - Several COT SL7 trips.
- **Store ended with a quench**
  - (QPM: UPS card at A2 died).

Controlled Access Wednesday 2/12

- **Beams Div. had jobs that required access**
  - Investigate beam pipe vacuum at F sector.
- **Address DTO's from smx cards**
  - ccal06 slot 3: power cycled and swapped card.
  - ccal07 slot 4: power cycled crate.
  - No problems in today's store.
- **Fixed fans in SMD-SE 9 & 11 faulty plug-in.**
- **Investigated a flaky trigger output b0pcal11(slot 19)**
  - Mismatch in DCAS trigger tower and admem Et. Not fixed.
- **Upstairs during the QT…**
  - Investigated/fixed bookkeeping problem between calib DB and admem FRAMS.
  - Rebooted clc crate to pick up new calibrations.

Today's Store Thursday 02/13

- **Store 2213 running smoothly**
  - ~87% efficiency, Initial Lum = 20e30.
- **Running pre-shutdown trigger table.**
- **At start of store:**
  - IFIX responding slowly:
    - Maybe due to errant priority settings for virus scan that occurred in IFIX nodes at 4am(just as store went in).
      - Virus scanning server at fcc upgraded from NT -> 2000
    - Mixed versions – (still need to update clc, plug, and SVX)
  - CMP trips
- **COT SL7 off.**

Activities this past week

- **Torture DAQ**
  - L2 torture testing (40Khz @ L1, 300Hz @ L2)
- **Read Out List testing – new firmware in TS partitions**
- **SVT timing scans**
  - Investigate (dead)time to propagate Si data after L1 accept to SVT
- **New Tof trigger working. Triggered on cosmics…**
- **Plug sourcing.**
- **ISL Cooling flow alarm problem fixed – bug in code…**
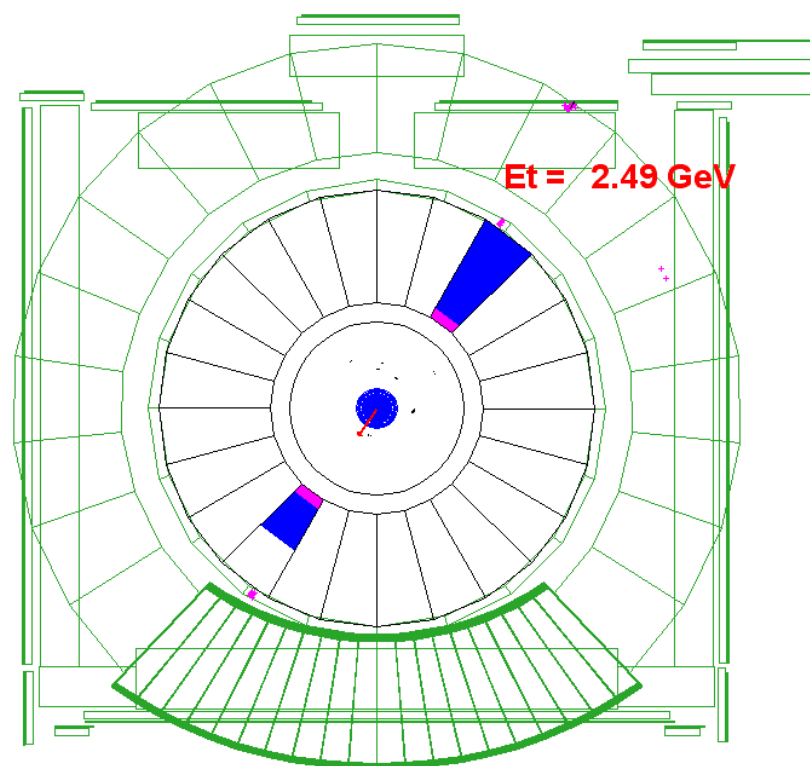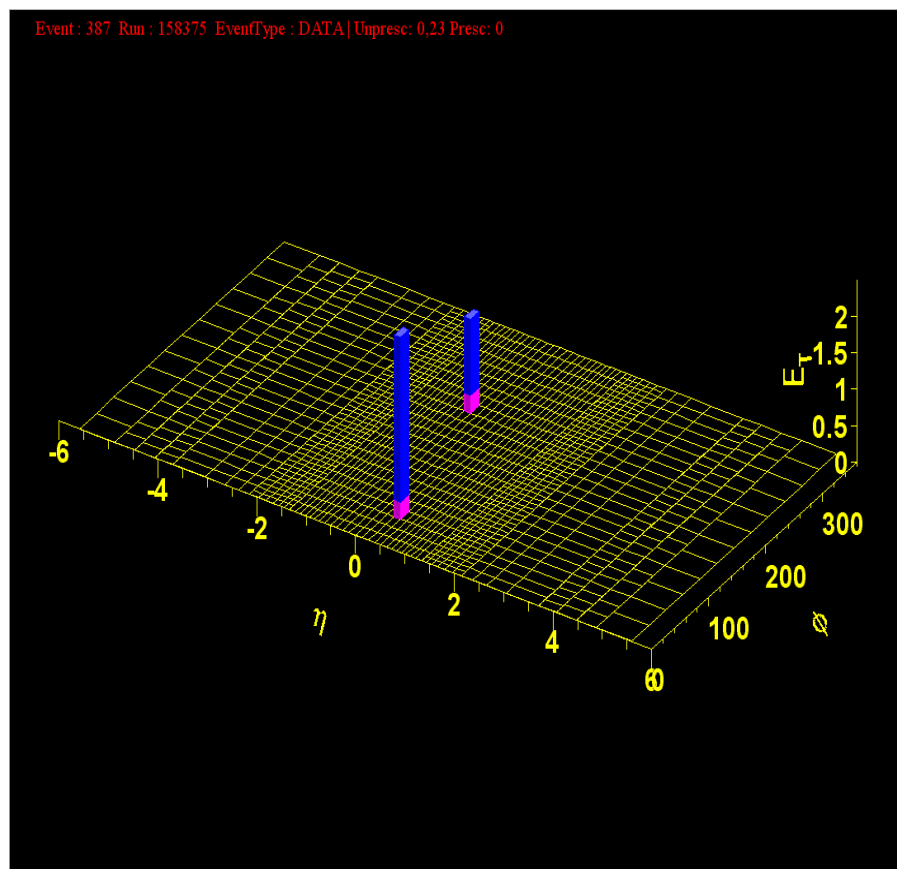- **Updating to 3.0 IFIX (still need to do SVX, Plug, and CLC)**

TOF Cosmic trigger

Event : 387 Run : 158375 EventType : DATA | Unpresc: 0,23 Presc: 0

Et =   2.49 GeV

Outstanding Issues

- **COT SL7 is Off**
  - Problem with current draw on a full cell. Trips w/beam.
  - PS's need to be reconfigured to limit this to 1 quadrant.
  - Stereo Layer.
  - Requires ~12 hour access to fix – swap a daughter card at the COT face to disable the cell.
  - Immediate plan is to fix this at the earliest opportunity and to better understand the effect on tracking.
    - Chris Hays is looking into this

Outstanding Issues continued…

- **Integrate Silicon into stores**
  - Immediate plan is to see how this store ends. If it ends *in a controlled manner,* integrate Si in the next store.

- **Fix calorimeter trigger tower issue.**
  - Carla and Vivek are working on it.

- **Iso Clique problem that requires power cycling b0l2cl00.**
  - L2 decision time outs not fixed by HRR.

- **B0cot04 - byte shift error has shown up again…**

- **Monitoring cmx and cmp blue beam currents during stores.**